

WHAT WE CLAIM IS

1. A cemented optical element comprising optical materials consisting of inorganic material(s) which are bonded to each other via a cementing layer, wherein the cementing layer is made of polysilane.

2. A cemented optical element as claimed in claim 1, wherein the optical materials consisting of inorganic material(s) are at least two different materials.

3. A cemented optical element as claimed in claim 1 or 2, wherein the cementing layer made of polysilane is formed by applying polysilane solution containing a photo-curable component on a cementing portion and, after that, curing the polysilane solution by irradiation of light.

4. A cemented optical element as claimed in any one of claims 1 through 3, wherein the cementing layer made of polysilane is formed by heating at a temperature between 250°C and 350°C.